

ABSTRACT OF THE DISCLOSURE

A mechanism simulation method of using both
a dynamics simulation and a kinematic simulation is
described. In the dynamics simulation, a behavior of a
5 mechanism is simulated using a dynamics model including
a continuous system equation having a plurality of
variables. In the kinematic simulation, a geometrical
operation of the mechanism is simulated using a three-
dimensional mechanism model including a plurality of
10 mechanism elements. A value of one of the variables of
the continuous system equation is calculated by a first
simulator that executes the dynamics simulation.
Referring to a table that represents a correspondence
between the variables and the mechanism elements, a
15 mechanism element corresponding to a variable having
the calculated value is identified. Information
specifying the identified mechanism element and the
calculated value of the variable is transmit to a
second simulator, which executes the kinematic
20 simulation based on the information.